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Application No. 09/996,951

2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

21. (currently amended) A method of achieving a resonant frequency of acoustic resonators comprising:

fabricating a plurality of said acoustic resonators on a basis of forming each said acoustic resonator to include an electrode-piezoelectric stack in which layer dimensions are selected to achieve an intended operational resonant frequency, said intended operational resonant frequency being a target final operational resonant frequency, each said electrode-piezoelectric stack having conductive electrode layers;

determining whether said acoustic resonators have current resonant frequencies that are within an acceptable margin of error of said intended operational resonant frequency; and

for occasions in which said current resonant frequencies are outside of said acceptable margin of error, exposing said acoustic resonators to a controlled gaseous environment in which at least one said electrode layer is oxidized, including intentionally regulating said controlled gaseous environment on a basis of providing each said acoustic resonator with a final operational resonant frequency that is within said margin of error of said intended operational resonant frequency;

wherein said exposing includes regulating said temperature and oxygen content to provide a downward adjustment of said resonant frequencies in a controlled manner, said exposing further including controlling flow rates of gases, including oxygen.

- 1 22. (currently amended) The method of claim 21 wherein said exposing
- 2 includes controlling <u>said</u> temperature and controlling <u>said</u> oxygen content
- 3 within said controlled gaseous environment based on establishing said final
- 4 operational resonant frequencies within said margin of error of said intended
- 5 operational resonant frequency.

Application No. 09/996,951

3

- 1 23-25. (canceled)
- 1 26. (previously presented) The method of claim 21 wherein said exposing
- 2 occurs at a temperature not exceeding 215°C.
- 1 27. (new) A method of achieving a resonant frequency of acoustic
- 2 resonators comprising:
- 3 fabricating a plurality of said acoustic resonators on a basis of
- 4 forming each said acoustic resonator to include an electrode-piezoelectric
- 5 stack in which layer dimensions are selected to achieve an intended
- 6 operational resonant frequency, said intended operational resonant
- 7 frequency being a target final operational resonant frequency, each said
- 8 electrode-piezoelectric stack having conductive electrode layers;
- 9 determining whether said acoustic resonators have current
- resonant frequencies that are within an acceptable margin of error of said intended operational resonant frequency; and
- for occasions in which said current resonant frequencies are
- outside of said acceptable margin of error, exposing said acoustic resonators
- 14 to a controlled gaseous environment in which at least one said electrode layer
- 15 is oxidized, including intentionally regulating said controlled gaseous
- 16 environment on a basis of providing each said acoustic resonator with a final
- 17 operational resonant frequency that is within said margin of error of said
- 18 intended operational resonant frequency;
- wherein said exposing includes regulating said temperature and
- 20 oxygen content to provide a downward adjustment of said resonant
- 21 frequencies in a controlled manner, said exposing further including controlling
- 22 flow rates of gases, including oxygen, said exposing occurring in a Rapid
- 23 Thermal Annealer (RTA).
- 1 28. (new) The method of claim 27 wherein said exposing includes controlling
- 2 said temperature and controlling said oxygen content within said controlled
- 3 gaseous environment based on establishing said final operational resonant
- 4 frequencies within said margin of error of said intended operational resonant
- 5 frequency.